

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: INVUE

Report Number: P676692

Luminaire Tested: **CCW-SA-2C-730-U-T4W-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676692
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2C-730-U-T4W-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @615mA w/
T4W distribution lens and House Side Shield
Light Source: (32) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

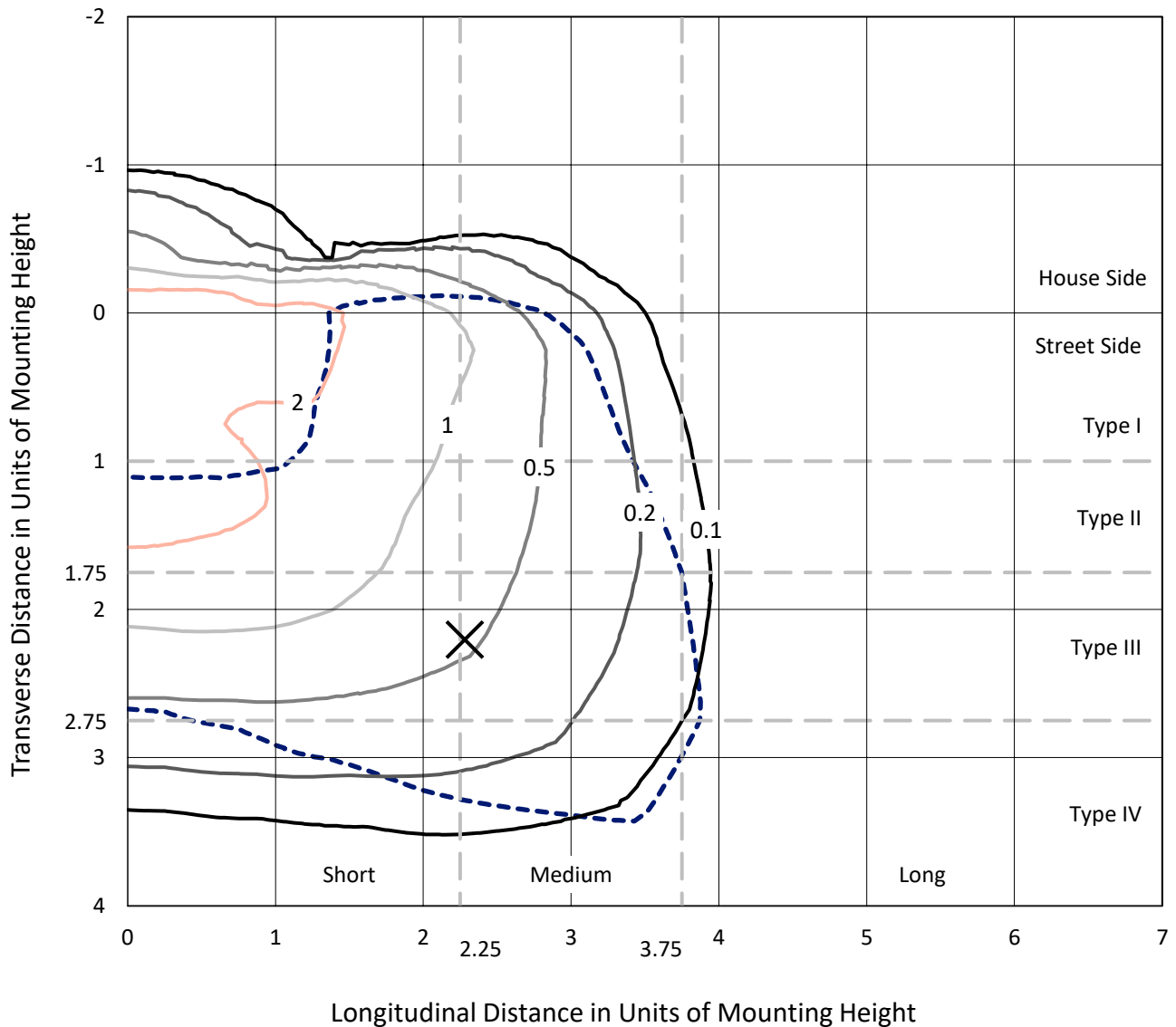
Lumens per Lamp: N/A
Luminaire Lumens: 5940.1 lumens
Efficiency: N/A
Efficacy: 95.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 62.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

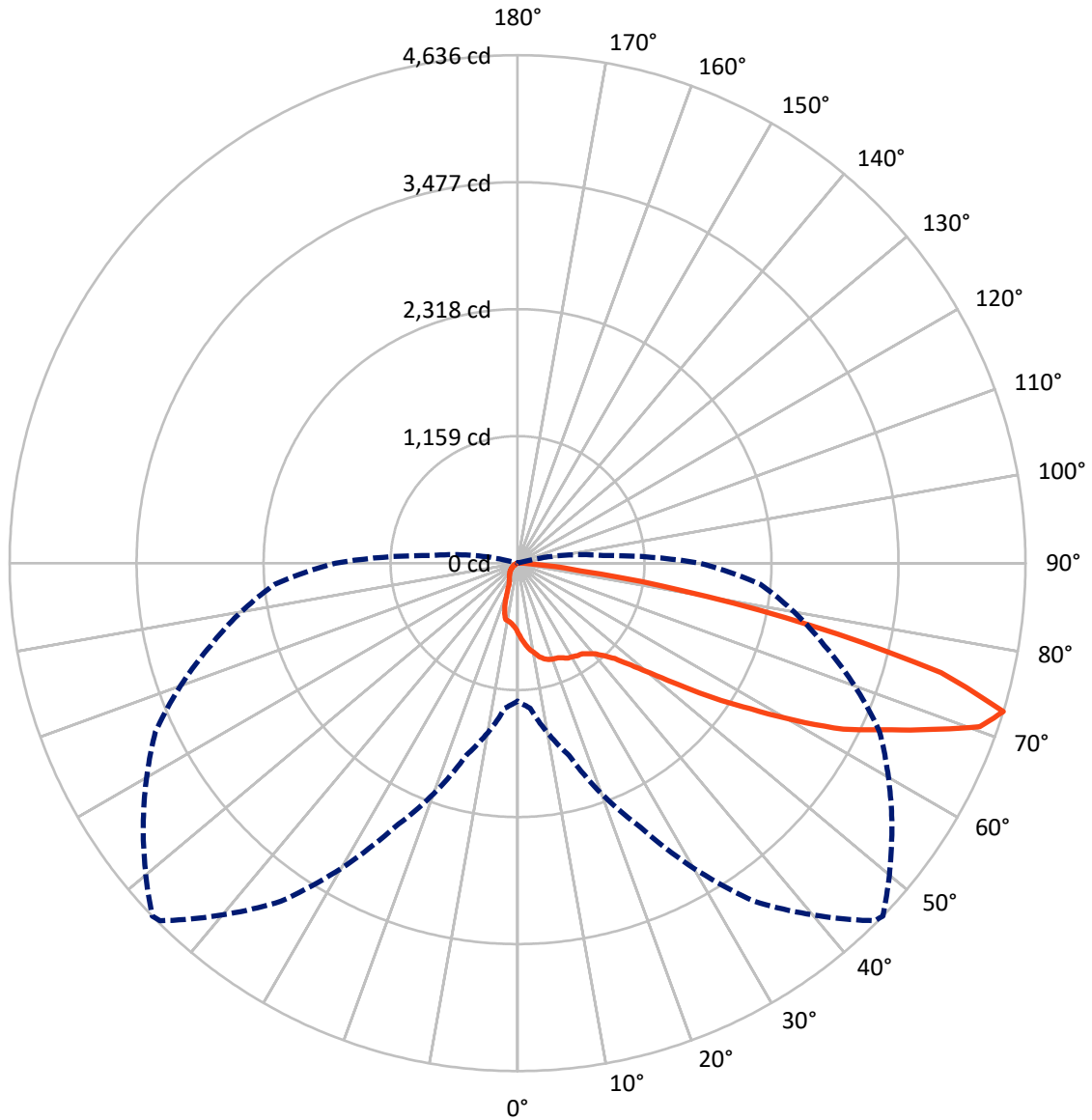
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.1 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 46-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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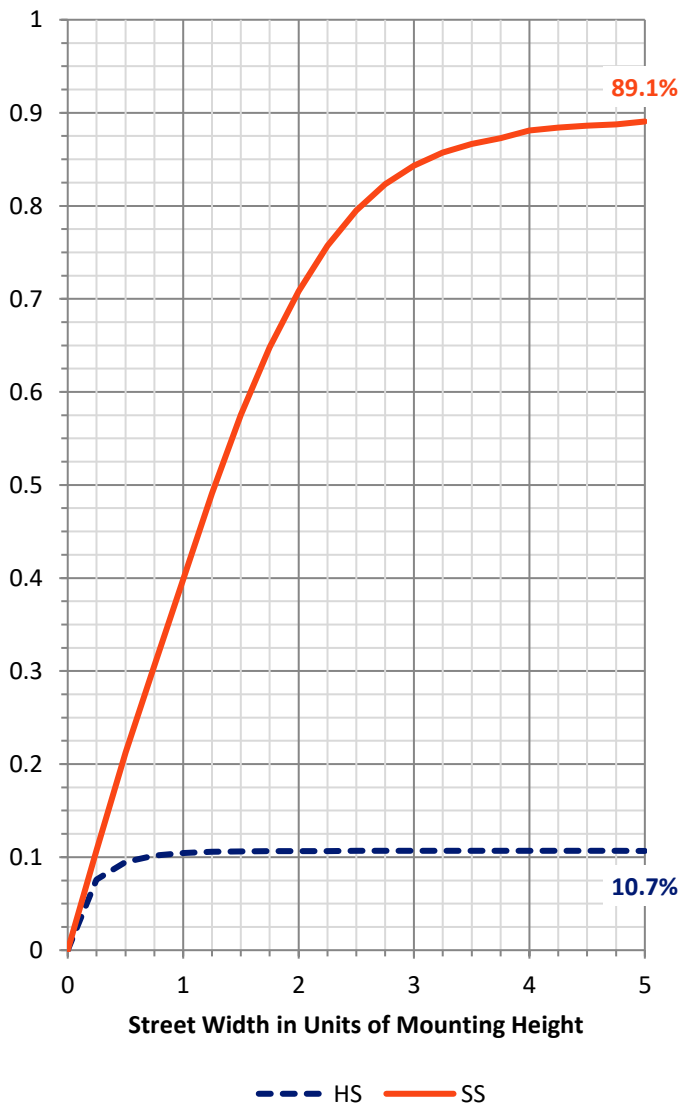
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	639.5	0.0	639.5
	% Fixture	10.8	0.0	10.8
Street Side	Lumens	5300.6	0.0	5300.6
	% Fixture	89.2	0.0	89.2
Total	Lumens	5940.1	0.0	5940.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.5	1.1
10°-20°	191.8	3.2
20°-30°	300.3	5.1
30°-40°	420.6	7.1
40°-50°	693.6	11.7
50°-60°	1246.6	21.0
60°-70°	1806.7	30.4
70°-80°	1127.6	19.0
80°-90°	89.4	1.5
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5940.1	100.0
0°-180°	5940.1	100.0



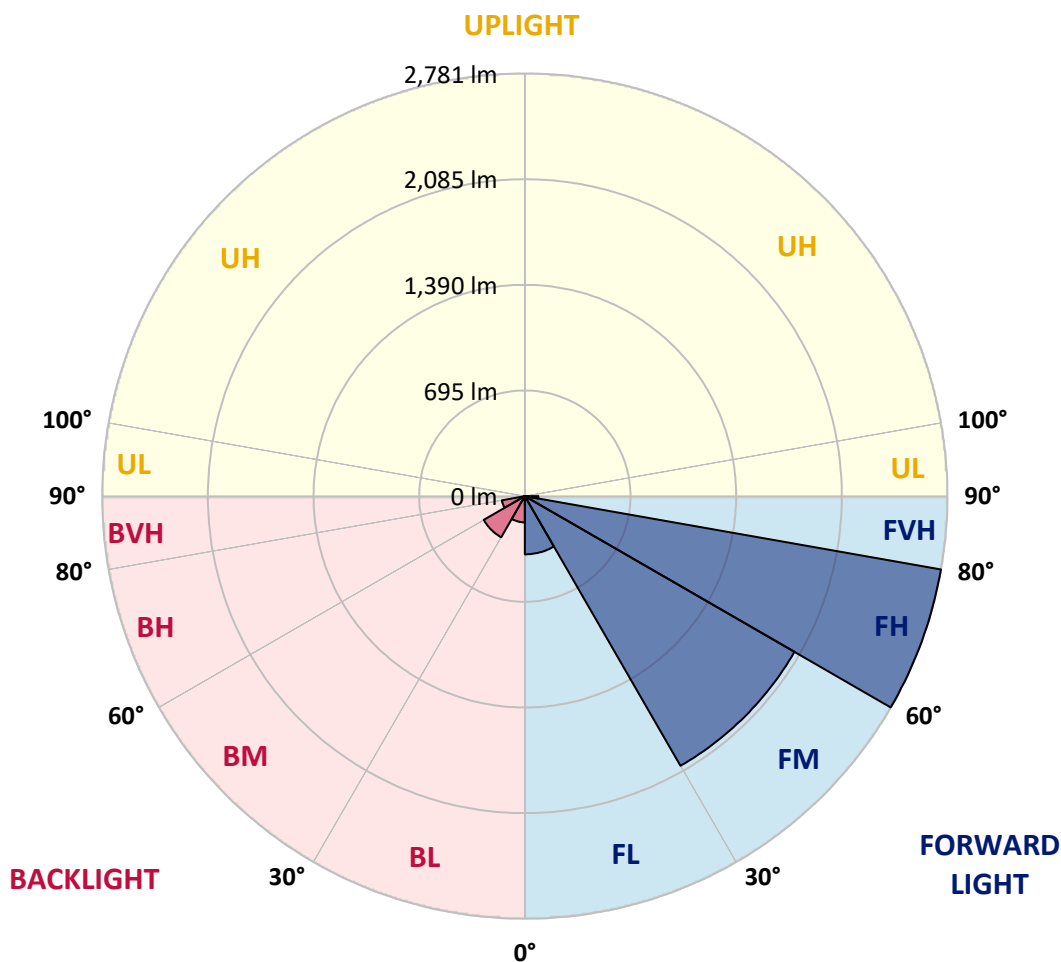
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	382.9	6.4			
FM (30°-60°)	2048.3	34.5			
FH (60°-80°)	2780.5	46.8			G2/5000
FVH (80°-90°)	88.9	1.5			G1/100
BL (0°-30°)	172.8	2.9	B1/500		
BM (30°-60°)	312.4	5.3	B1/1000		
BH (60°-80°)	153.8	2.6	B1/500		G1/500
BVH (80°-90°)	0.5	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	634.9	634.9	634.9	634.9	634.9	634.9	634.9	634.9	634.9	634.9	634.9
2.5°	710.6	707.6	712.1	710.6	692.4	695.5	693.9	681.8	660.6	648.5	640.9
5°	792.4	800.0	793.9	780.3	769.7	748.5	745.5	725.8	692.4	671.2	648.5
7.5°	877.3	877.3	865.2	843.9	821.2	798.5	795.5	762.1	733.3	697.0	665.2
10°	940.9	933.3	924.2	901.5	875.8	845.5	830.3	806.1	774.2	730.3	689.4
12.5°	997.0	984.9	969.7	936.4	906.1	872.7	875.8	836.4	815.2	775.8	715.2
15°	1028.8	1018.2	1004.6	974.2	927.3	912.1	906.1	881.8	843.9	804.5	747.0
17.5°	1036.4	1028.8	1010.6	971.2	945.5	927.3	925.8	897.0	880.3	847.0	783.3
20°	1021.2	1007.6	993.9	968.2	943.9	937.9	933.3	933.3	912.1	868.2	806.1
22.5°	995.5	980.3	972.7	957.6	937.9	936.4	939.4	936.4	919.7	890.9	830.3
25°	975.8	968.2	956.1	951.5	939.4	962.1	957.6	953.0	948.5	915.2	868.2
27.5°	981.8	980.3	971.2	953.0	943.9	968.2	981.8	983.3	981.8	948.5	903.0
30°	984.9	977.3	968.2	963.6	966.7	990.9	990.9	1024.2	1010.6	977.3	937.9
32.5°	1019.7	1015.2	984.9	974.2	975.8	1004.6	1006.1	1039.4	1034.9	1012.1	968.2
35°	1093.9	1063.6	1019.7	989.4	989.4	1027.3	1015.2	1063.6	1075.8	1039.4	989.4
37.5°	1204.6	1181.8	1103.0	1034.9	1009.1	1036.4	1048.5	1075.8	1112.1	1080.3	1031.8
40°	1424.3	1419.7	1307.6	1160.6	1059.1	1083.3	1087.9	1130.3	1154.6	1110.6	1097.0
42.5°	1745.5	1722.7	1618.2	1386.4	1150.0	1139.4	1156.1	1183.3	1240.9	1204.6	1171.2
45°	2059.1	2048.5	1943.9	1684.9	1315.2	1251.5	1242.4	1290.9	1375.8	1336.4	1310.6
47.5°	2286.4	2265.2	2206.1	1987.9	1557.6	1383.3	1389.4	1437.9	1545.5	1515.2	1522.7
50°	2460.6	2450.0	2387.9	2268.2	1863.6	1590.9	1578.8	1627.3	1772.7	1792.4	1813.6
52.5°	2651.5	2671.2	2587.9	2486.4	2225.8	1869.7	1842.4	1859.1	2047.0	2092.4	2151.5
55°	2834.9	2866.7	2783.3	2769.7	2604.6	2178.8	2174.3	2134.9	2377.3	2383.3	2415.2
57.5°	2954.6	2944.0	2937.9	3012.1	2983.3	2533.3	2510.6	2471.2	2690.9	2651.5	2747.0
60°	2963.7	2994.0	3095.5	3278.8	3330.3	2950.0	2916.7	2809.1	2962.1	2868.2	3050.0
62.5°	3031.8	3056.1	3244.0	3497.0	3563.7	3316.7	3339.4	3066.7	3194.0	3119.7	3386.4
65°	2859.1	2934.9	3312.1	3666.7	3869.7	3687.9	3665.2	3398.5	3431.8	3362.1	3718.2
67.5°	2703.0	2731.8	3125.8	3718.2	4112.1	4060.6	4051.5	3692.4	3677.3	3548.5	3812.1
70°	2197.0	2231.8	2621.2	3454.6	4194.0	4495.5	4474.3	4104.6	3844.0	3447.0	3330.3
72.5°	1259.1	1328.8	1816.7	2660.6	3768.2	4616.7	4636.4	4171.2	3647.0	2898.5	2224.3
75°	412.1	431.8	754.5	1507.6	2818.2	4027.3	3992.4	3584.9	2942.4	1913.6	1004.6
77.5°	139.4	142.4	222.7	545.5	1562.1	2721.2	2740.9	2562.1	1807.6	795.5	277.3
80°	71.2	75.8	109.1	204.5	642.4	1481.8	1513.6	1460.6	757.6	234.8	66.7
82.5°	33.3	34.8	63.6	113.6	293.9	581.8	581.8	639.4	268.2	131.8	27.3
85°	12.1	12.1	33.3	65.2	124.2	193.9	195.5	197.0	140.9	98.5	12.1
87.5°	4.5	4.5	16.7	27.3	45.5	59.1	59.1	47.0	71.2	65.2	4.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	634.9	634.9	634.9	634.9	634.9	634.9	634.9	634.9	634.9	634.9	634.9
2.5°	637.9	628.8	621.2	610.6	597.0	589.4	590.9	581.8	581.8	577.3	575.8
5°	637.9	628.8	609.1	590.9	578.8	563.6	556.1	550.0	550.0	547.0	548.5
7.5°	642.4	628.8	601.5	577.3	557.6	542.4	530.3	528.8	525.8	518.2	524.2
10°	669.7	650.0	604.5	571.2	548.5	531.8	510.6	504.5	495.5	481.8	483.3
12.5°	692.4	666.7	625.8	580.3	551.5	524.2	475.8	422.7	400.0	375.8	377.3
15°	725.8	689.4	633.3	592.4	551.5	463.6	375.8	307.6	271.2	253.0	253.0
17.5°	743.9	713.6	654.5	600.0	507.6	377.3	266.7	207.6	201.5	204.5	204.5
20°	781.8	740.9	678.8	606.1	434.9	268.2	195.5	189.4	192.4	198.5	197.0
22.5°	806.1	765.2	697.0	578.8	336.4	192.4	183.3	180.3	183.3	190.9	190.9
25°	825.8	800.0	725.8	512.1	237.9	174.2	171.2	174.2	177.3	180.3	184.8
27.5°	874.2	830.3	745.5	425.8	171.2	162.1	165.2	166.7	166.7	171.2	172.7
30°	906.1	871.2	760.6	328.8	151.5	150.0	153.0	154.5	156.1	160.6	162.1
32.5°	936.4	924.2	740.9	222.7	142.4	139.4	137.9	139.4	145.5	150.0	148.5
35°	980.3	972.7	712.1	154.5	133.3	127.3	124.2	125.8	130.3	134.8	133.3
37.5°	1033.3	1040.9	642.4	134.8	124.2	116.7	110.6	110.6	112.1	116.7	118.2
40°	1095.5	1115.2	560.6	125.8	118.2	109.1	103.0	95.5	93.9	92.4	93.9
42.5°	1209.1	1231.8	468.2	119.7	109.1	98.5	89.4	80.3	72.7	68.2	68.2
45°	1368.2	1350.0	347.0	113.6	104.5	89.4	75.8	65.2	54.5	50.0	50.0
47.5°	1587.9	1525.8	237.9	107.6	97.0	78.8	63.6	50.0	40.9	36.4	36.4
50°	1892.4	1687.9	154.5	101.5	92.4	68.2	51.5	36.4	30.3	28.8	30.3
52.5°	2180.3	1853.0	122.7	93.9	83.3	59.1	39.4	30.3	27.3	25.8	25.8
55°	2445.5	1936.4	109.1	86.4	75.8	48.5	33.3	25.8	24.2	22.7	22.7
57.5°	2669.7	1965.2	93.9	75.8	60.6	37.9	27.3	22.7	19.7	18.2	18.2
60°	2863.7	1972.7	72.7	60.6	43.9	28.8	22.7	19.7	16.7	13.6	13.6
62.5°	3018.2	1919.7	51.5	42.4	30.3	22.7	19.7	13.6	9.1	6.1	4.5
65°	3140.9	1813.6	34.8	28.8	19.7	16.7	12.1	6.1	1.5	0.0	0.0
67.5°	2997.0	1572.7	27.3	21.2	13.6	10.6	6.1	1.5	0.0	0.0	0.0
70°	2444.0	1219.7	19.7	13.6	9.1	3.0	1.5	0.0	0.0	0.0	0.0
72.5°	1663.6	786.4	15.2	9.1	4.5	1.5	0.0	0.0	0.0	0.0	0.0
75°	747.0	281.8	10.6	6.1	1.5	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	181.8	66.7	7.6	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	48.5	16.7	4.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	18.2	6.1	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	7.6	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)